

of which is attached to the Amendment:

H1  
--The present invention relates to a gear extrusion molding machine. More particularly, the present invention relates to a gear extrusion molding machine which has a main extrusion molding device having a plurality of gears.--

Please amend the entire paragraph beginning at page 2, line 2, as shown in the following Clean Version, a Marked-Up Version of which is attached to the Amendment:

--An object of the present invention is to provide a gear extrusion molding machine which has a main extrusion molding device having a plurality of gears in order to mix and blend a raw material evenly.

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Another object of the present invention is to provide a gear extrusion molding machine which has a main extrusion molding device having a plurality of gears arranged longitudinally according to the principle of gravity.

Accordingly, a gear extrusion molding machine comprises a main extrusion molding device, and a drive mechanism connected to the main extrusion molding device. The main extrusion molding device has an upper feed inlet, a lower chamber, and a gear mechanism therein. The gear mechanism has a main gear and a plurality of pinions. A feed mechanism has the main gear, a first portion of the gear mechanism, and a containing interior. The feed mechanism is adjacent to the upper feed inlet of the main

112  
extrusion molding device. A compression mechanism is disposed below the feed mechanism. The compression mechanism has the main gear, a second portion of the gear mechanism, and a guide interior. A blending mechanism is disposed below the compression mechanism. The blending mechanism has a third portion of the gear mechanism, and a blending spacing. A metering mechanism is disposed below the blending mechanism. The metering mechanism has a fourth portion of the gear mechanism. The lower chamber of the main extrusion molding device communicates with the metering mechanism.--

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The entire paragraph beginning at page 3, line 7, as shown in the following Clean Version, a Marked-Up Version of which is attached to the Amendment:

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113  
--FIG. 1 is an elevational view of a gear extrusion molding machine of a first preferred embodiment in accordance with the present invention;

FIG. 2 is a sectional view of a main extrusion molding device of a first preferred embodiment taken along line 2-2 in FIG. 1;--

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Please amend the entire paragraph beginning at page 4, line 9, as shown in the following Clean Version, a Marked-Up Version of which is attached to the Amendment:

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114  
--Referring to FIGS. 1 and 2, a gear extrusion molding machine 1 comprises a main extrusion molding device 2, and a

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drive mechanism 3 connected to the main extrusion molding device  
2.--

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Please amend the entire paragraph beginning at page 4, line 16, as shown in the following Clean Version, a Marked-Up Version of which is attached to the Amendment:

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15  
--The drive shaft 33 passes through the transmission case 32 to be inserted in a main gear 41 of a gear mechanism 4 of the main extrusion molding device 2.

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Please amend the entire paragraph beginning at page 5, line 13, as shown in the following Clean Version, a Marked-Up Version of which is attached to the Amendment:

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16  
--Referring to FIGS. 2 and 3, a feed mechanism 23 has the first pinion 42, the second pinion 43, the third pinion 44, the main gear 41, and a containing interior 231 defined by the first pinion 42, the second pinion 43, the third pinion 44, and the main gear 41. The containing interior 231 provides a cushioning effect when a raw material is poured into the feed hopper 22.--

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Please amend the entire paragraph beginning at page 5, line 20, as shown in the following Clean Version, a Marked-Up Version of which is attached to the Amendment:

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17  
--Referring to FIGS. 2 and 5, a compression mechanism 24 has the third pinion 44, the main gear 41, the fourth pinion 45, and a guide interior 241 formed between the main gear 41 and a guide surface 242 of the main extrusion molding device

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2.

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The fourth pinion 45 contacts a compression surface 243 of the main extrusion molding device 2 tightly The fourth pinion 45 contacts a compression surface 243 of the main extrusion molding device 2 tightly to compress the raw material. --

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Please amend the entire paragraph beginning at page 6, line 4, as shown in the following Clean Version, a Marked-Up Version of which is attached to the Amendment:

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18  
--Referring to FIGS. 2 and 5, a blending mechanism 25 has the fifth pinion 46 and a blending spacing 251 formed between the fifth pinion 46 and a blending surface 252 of the main extrusion molding device 2 and to mix the raw material even completely.

Referring to FIGS. 2 and 6, a metering mechanism, which is located below the blending mechanism 25, has the sixth pinion 47 and the seventh pinion 48. The metering mechanism divides the even mixed raw material equally.--

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Please amend the entire paragraph beginning at page 6, line 12, as shown in the following Clean Version, a Marked-Up Version of which is attached to the Amendment:

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--In operation, a raw material such as a plastics material and a rubber material is poured into the feed hopper 22. The main gear 41 of the gear mechanism 4 drives all of the gears and moves the raw material from upward to downward. The raw

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material enters the upper feed inlet 21 of the main extrusion molding device 2. Then the raw material enters the containing interior 231 of the feed mechanism 23 to be cushioned, the guide interior 241 of the compression mechanism 24. Then the raw material enters between the fourth pinion 45 and the compression surface 243 by the inclined interval comprises by the main gear 41 and the guide surface 242 to be compressed. The compressed material enters the blending spacing 251 of the blending mechanism 25 to be mixed even completely and the metering mechanism 26 to be divided equally. Then the material enters the lower chamber 28 of the main extrusion molding device 2, when the amount of the material is enough then the material leaves the gear extrusion machine from the outlet 271 of the discharge pipe 27.--

Please amend the entire paragraph beginning at page 6, line 21, as shown in the following Clean Version, a Marked-Up Version of which is attached to the Amendment:

20  
--Referring to FIGS. 7 and 8, another gear extrusion molding machine 1 comprises a main extrusion molding device 2. The main extrusion molding device 2 has a feed mechanism 23, a compression mechanism 24, two blending mechanisms 25, a metering mechanism and an additional feeding mechanism 29 inserted in the two blending mechanisms 25.

The feeding mechanism 29 pushes the fixed raw material from